



Application No.: 09/744,100
Amdt. Dated: July 31, 2003
Reply to Office Action of May 6, 2003
Replacement Sheet

FIGURE 1A

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SEQ ID NO:11 MSSTQDYIGE-----+
SEQ ID NO:02 MLLTKPYLSNLLPVPPSPGPTLSSNHASPLAAPTCTCR-RSRLRISATSTAAPSPSSAA
SEQ ID NO:04 MLLAKPHLSSSF-LPSTRVSSPAPGNHAKPIAASPAP-RRCLRLAVTSAAPAAASSAE
SEQ ID NO:06 MMAG---AAKTLTNLCPSFPPTKPNQLTTSHAFSTRLRHRAISAVANAAQPPPLAA
SEQ ID NO:08 MLLTKPH--PALTLPSASLPNPNLKAARVRPLASSAPHRRGLRV--SASSSLAPAQ
SEQ ID NO:12 MXXXXXXX
1 23 60
+
+ ***** +++ * *+* *****+*****+ *****+ **
--EAATRVKILSEALPYIQHFAGRTVVVKGGAAMKDSNLKDKVIRDIVFMASVGIRPV
AATASLSRVDVLSEALPFIQRFKGTVVVKGGAAMKSPELQASVIRDLVLLSCVGLRPV
AA-AALSRVDVLSEALPFIQRFKGTVVVKGGAAMKSPELQASVIRDLVLLSCVGLHPV
TATEGQYRVDVLSESLPFIQRFKGTIVVKGGAAMKSPELQASVINDLVLLSCVGLRPV
AASALNRVDVLSEALPFIQRFKGTVVVKGGAAMKSPELQASVIRDLVLLSCVGLRPV
XAXXXXRVDVLSESLPFIQFXGKTXVVKGGAAMKSPELQASVIXDLVLLSCVGLXPV
61 120
+ *****+*+ + ***** *+*+* *+*+* *
VHGGGPEINTWLDKVGIEPQFKDGLRVTDAATMDIVEMVLVGRVNKELVNLINQAGGKA
LVHGGGPEINSWLLRVGVEPQFRDGLRVTDALTMVEMVLVGVKNKLVSLINIAGGTA
LVHGGGPEINSWLLRVGVEPQFRNGLRVTDALNMEVEMVLVGRVNKELLSLIKIPGSSA
LVHGGGPEINSWLRNLNIPAVFRDGLRVTADTMEIVSMVLVGVKNKTLVSLINKAGATA
LVHGGGPEINSWLQVRVGPQFRNGLRVTXXXXXXXKQQLSLIRPAGTTA
LVHGGGPEINSWLXXXXXXFRXGLRVTDAAXMEXVMVLVXKVNKXLXSLIXXXXGXXA
121 180
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FIGURE 1B

SEQ ID NO: 11	* + + + + + * * * + * + + + * * * * +	VGLCGKDGQMLTARTMTN - KDVGFVGEVSSVDARVVETLVKSGYIPVISSVAADFEFGQAH	240
SEQ ID NO: 02		IGLCGKDARLITARPSPNAAALGFVGEVSRVDTVLHPHIIAAGHIPVIATVAADETGQAY	
SEQ ID NO: 04		VSICWKEARLLNERPSPXKGLRFVGGVWRVDTVLHPHIIASGHIPVIATVGADETGQAY	
SEQ ID NO: 06		VGLSGMDGRLLTARPAPKAADLGVGEVARVDPVAVLSLIDTSHIPVVTVAADSESGQPY	
SEQ ID NO: 08		VGLCRKDGRIILTERPSPDAAALGFVGEVTRKNPSVLHPHIIASSHIPVIATVAADETGQAY	
SEQ ID NO: 12		XXLXXXRLXXXRPX ¹⁹⁸ XXXXXXVGVXRXRXRXVXXIXXXHIPPVXXXXXVXADEXGXQXY	181

SEQ ID NO: 11	***** ** ***** * **** * * * * + * * * * + * * * *	NINADTCAGELAAALGAELILLTDTRGILRDYKDPSTLIHKLDIQQARELIGSIVAGG	300
SEQ ID NO: 02		NINADTAAGEIAAAVGAELLLLLTVDVSGILADRNDPGLSVKVVDIAGVRKMVADGKVAGG	
SEQ ID NO: 04		NINADTAAGEIAAAVGAELLLLLTVDVSGILADRNDPGLSVKEIDIAGVRQMVADGQVAGG	
SEQ ID NO: 06		NINADTVAGELAAALGAELILLTDVAGILEDRNDPGLSVKIDIKGVKMMEDGKVGGG	
SEQ ID NO: 08		NINADTAAGEIAAAVGAELLLLLTVDVSGILADRNDPGLSVKEIDIAGVRRMVAEGKVGGG	
SEQ ID NO: 12		NINADTXAGEXAAXXGAELXLXTDVXGILXDRXDPXSLVKKXXDI XGVRXMXXXGXVXGG	241

SEQ ID NO: 11	***** ** ***** + * * * * * + * * * * * + * * * * *	MIPKVTCCVRSQAQGVRAAHILDRPLPHALLLEVFTDLGIGSMIVASGYDL	351
SEQ ID NO: 02		MIPKVECCVHALAQGVHTASIIDGRVPHSLLEILTDEGTGMTITG-----	
SEQ ID NO: 04		MIPKVECCVHALAQGVHTASIIDGRVPHSLLEILTDEGTGMTITG-----	
SEQ ID NO: 06		MIPKVNCCVRSQAQGVITASIIDGRVPHSLLEILTDEGTGMTITG-----	
SEQ ID NO: 08		MIPKVCCVRSQAQGVHTASIIDGRVPHSLLEILTDEGTGMTITG-----	
SEQ ID NO: 12		MIPKVCCVXXLAQGVHTASIIDGRVPHSLLEILTDEGTGMTITG-----	301



FIGURE 1 A_{κ} inserted

replaced with ρ

inserted

[illegible]



Application No.: 09/744,100
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 Annotated Sheet Showing Changes

inserted
FIGURE 1B (CONTINUED) deleted

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*      +      +      +      +      +      +      +      +      +      +      +      +      +      +
SEQ ID NO:11  VGLCGKDGQLMTARTMTN-KDVGFEVGEVSSVDARVVETLVKSGYIPVISSVAADEFGQAH
SEQ ID NO:02  IGLCGKDARLITARPSPNAAALGFVGEVSRVDATVLHPHIAAGHIPVIATVAADETGQAY
SEQ ID NO:04  VSLCWKEARLLNERPSPXKEKGLRFVGGWRVDATVLHPHIIASGHIPVIATVGADETGQAY
SEQ ID NO:06  VGLSGMDGRLLTARPAPKAADLGYVGEVARVDPVLRSLIDTSHIPVVTVAADESGQPY
SEQ ID NO:08  VGLCRKDGRIILTERPSPDAAALGFVGEVTRKNPVLHPHIIASSHIPVIATVAADETGQAY
SEQ ID NO:12  XXLXXXXXRLXXXXRXPXXXXLXXVGVXVRRXXXXXXVIXXIXXHHIPVXXXXVXAXEXGXXY
181
  
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*****      *      *      *      *      *      *      *      *      *      *      *      *      *      *
NINADTCAGELAAAGAEKLIILLTDTRGILRDYKDPSTLIHKLDIQQARELIGSGIVAGG
NINADTAAGEIAAAVGAEKLIILLTDVSGILADRNDDPGSLVKVVDIAGVRKMVADGKVAGG
NINADTAAGEIAAAVGAEKLIILLTDVSGILADRNDDPGSLVKEIDIAGVRQMVADGQVAGG
NINADTVAGELAAAGAEKLIILLTDVAGILEDRNDPDSLKKIDIKGVKKMMEDGKVGGG
NINADTAAGEIAAAAGAEKLIILLTDVSGILADRNDDPGSLVKEIDIAGVRRMVAEGKVGGG
NINADTXAGEXAAXXGAEKLIILLTDVXGILXDRXDPXSLVKKXXDIXGVRMXXXXGXVXGG
241
  
```

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*****      +      +      +      +      +      +      +      +      +      +      +      +      +      +
MIPKVTCCVRSLAQQVRAAHILDGRLPHALLLEVFDTLGIGSMIVASGYDL
MIPKVECCVHALAQQVHTASIIDGRVPHSLLEILLTDEGTGMTITG
MIPKVECCVRAIAQGVHTASIIDGRVPHSLLEILLTDEGTGMTITG
MIPKVNCCVRSLAQQVHTASIIDGRVPHSLLEILLTDEGAGTMITG
MIPKVGCCVRAIAQGVHTASIIDGRVPHSLLEILLTDEGTGMTITG
MIPKVXCCVXXLAQGVHTASIIDGRVPHSLLEILLTDEGXGMTITG
301
  
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*replaced with
 dashes (-)*